

PATENT 512585-2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Chilcott et al

U.S. Serial No.

10/564,799

International

Application No.

PCT/NZ2004/000153

International

Filing Date

July 19, 2004

For

TREATMENT OF MALODOUR

Confirmation No.

N/A

745 Fifth Avenue

New York, New York 10151

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Anne-Marie C. Yvon, Registration No. 52,390 Name of Applicant, Assignee or Registered Representative

> ignature March 8, 2006

Date of Signature

COMMUNICATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Enclosed for the Examiner's convenience is a copy of

the International Preliminary Examination Report issued in priority application PCT/NZ2004/000153.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP Attorneys for Applicants

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PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING TRANSMITTAL OF COPY OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OF THE PATENT COOPERATION TREATY)

(PCT Rule 44bis.1(c))

To:

GRIFFITHS, Teresa, V A J Park 6th Floor Huddart Parker Building Post Office Square P O Box 949 Wellington, 6015 NOUVELLE-ZÉLANDE

Date of mailing (day/month/year)

02 February 2006 (02.02.2006)

Applicant's or agent's file reference 501792 TVG

IMPORTANT NOTICE

International application No. PCT/NZ2004/000153

International filing date (day/month/year) 19 July 2004 (19.07.2004) Priority date (day/month/year)
18 July 2003 (18.07.2003)

Applicant

BLIS TECHNOLOGIES LIMITED et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Simin Baharlou

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 71 30

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 501792 TVG	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/NZ2004/000153	International filing date (day/month/year) 19 July 2004 (19.07.2004)	Priority date (day/month/year) 18 July 2003 (18.07.2003)	
International Patent Classification (8th See relevant information in Form F	n edition unless older edition indicated) PCT/ISA/237		
Applicant BLIS TECHNOLOGIES LIMITED			

1.	This international preliminary re International Searching Authorit	eport on patentability (Chapter I) is issued by the International Bureau on behalf of the ty under Rule 44 bis.1(a).
2.	This REPORT consists of a total	of 5 sheets, including this cover sheet.
	In the attached sheets, any refere to the international preliminary	ence to the written opinion of the International Searching Authority should be read as a reference report on patentability (Chapter I) instead.
3.	This report contains indications	relating to the following items:
	Box No. I	Basis of the report
	Box No. II	Priority
ı	Вох №. ПІ	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Box No. IV	Lack of unity of invention
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	Box No. VI	Certain documents cited
	Box No. VII	Certain defects in the international application
	Box No. VIII	Certain observations on the international application
4.	The International Bureau will conot, except where the applicant date (Rule 44bis .2).	ommunicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority

	Date of issuance of this report 23 January 2006 (23.01.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Simin Baharlou
Facsimile No. +41 22 740 14 35	Telephone No. +41 22 338 71 30

PATENT COOPERATION TREATY

	REC'D 16 NOV 2004
Fr. the: INTERNATIONAL SEARCHING AUTHORITY	WIPO PCT
To:	PCT PCT
A J Park & Son	WRITTEN OPINION OF THE
PO Box 949 Wellington 6001	INTERNATIONAL SEARCHING AUTHORITY
NEW ZEALAND	INTERNATION BELLEVILLE
	(PCT Rule 43bis.1)
•	Date of mailing 1 2 OCT 2004 (day/month/year)
Applicant's or agent's file reference	FOR FURTHER ACTION
501792 TVG	See paragraph 2 below
International application No.	national filing date (day/month/year) Priority date (day/month/year)
1 IIIICI IIIIUU III appiioatioii 1 (o	uly 2004 18 July 2003
International Patent Classification (IPC) or both	
Int. Cl. 7 A61K 35/74, A61P 31/04	
Applicant	
BLIS TECHNOLOGIES LIMITED	et al
This opinion contains indications relating to	the following items:
Box No. I Basis of the opinion	
<u> </u>	
Box No. II Priority	inion with regard to novelty, inventive step and industrial applicability
1 1	
Box No. IV Lack of unity of inventi	on the state of the state of industrial applicability;
citations and explanation	er Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; as supporting such statement
Box No. VI Certain documents cited	
Box No. VII Certain defects in the ir	ternational application
Box No. VIII Certain observations or	the international application
2. FURTHER ACTION	
If a demand for international preliminary examining Authority ("IPEA") be the IPEA and the chosen IPEA has notification.	mination is made, this opinion will be considered to be a written opinion of the International except that this does not apply where the applicant chooses an Authority other than this one to d the International Bureau under Rule 66.1bis(b) that written opinions of this International d.
If this opinion is, as provided above, consid written reply together, where appropriate, w PCT/ISA/220 or before the expiration of 22	th amendments, before the expiration of 3 months from the date of mailing of Form months from the priority date, whichever expires later.
For further options, see Form PCT/ISA/220	
3. For further details, see notes to Form PCT/ISA	/220.
Name and mailing address of the IPEA/AU	Authorized Officer
AUSTRALIAN PATENT OFFICE	M. ONG
PO BOX 200, WODEN ACT 2606, AUSTRALI	Telephone No. (02) 6283 2491
B-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	1 Cichnone 140. (02) 0200 2

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NZ2004/000153

Box	x No. I Basis of the opinion	_
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.	
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).	
.2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:	
	a. type of material	
	a sequence listing	
	table(s) related to the sequence listing	
	b. format of material	١
	in written format	
	in computer readable form	
	c. time of filing/furnishing	
	contained in the international application as filed.	İ
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that	
	in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	. Additional comments:	
*	Additional comments.	
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NZ2004/000153

Box No. V	Reasoned statement un applicability; citations	der Rule 4 and expla	43 <i>bis.</i> 1(a)(i) with regard to nations supporting such state	ovelty, inventive step or industrial ement
1				
1. Statem	ent			
٠ .	Novelty (N)	Claims	1-70	YES
•		Claims		NO
	Inventive step (IS)	Claims	1_70	YES
•	inventive step (15)		1-70	NO
		Claims		
	Industrial applicability (IA)	Claims	1-70	YES
		Claims		NO

2. Citations and explanations:

The following document identified in the International Search Report has been considered for the purposes of this report:

D1: WO 2003/0070919

Novelty (N):Claims 1-70

The invention is directed to the inhibition of halitosis causing anaerobic bacteria (eg. black pigmented Prevotella, Eubacterium and Micromonas sp) in the oral cavity by the introduction of a BLIS-producing S. salivarius or an extract thereof.

The document cited in the ISR were category A only. Therefore the subject matter of the present claims is not disclosed in any of the patent document cited. Hence the requirements of Article 33(2) PCT with regard to the requirement for novelty.

D1 was published after the priority date and will not be considered further. See however the indication in Box

Inventive Step (IS):Claims 1-70

Claims 1-70 meet the criteria set out in PCT Article 33(3) with regard to the requirement of Inventive Step because the prior art does not obviously suggest to a person skilled in the art to use a BLIS-producing S. salivarius or an extract thereof to inhibit halitosis.

Industrial Applicability: Claims 1-70

Claims 1-70 have industrial applicability

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/NZ2004/000153

1. Certain published documents (R	ules 43 <i>bis</i> .1 and 70.10)		
Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO 2003/070919	28/08/03	21/02/03	22/02/02
	•		
he document disclose the essent troduction of a BLIS-producing	tial features of claims 1-70	, in that the inhibition of hali	tosis is treated by the
ith regard to the document(s) lith the international filing date but articular relevance.	isted in Box VI under "cert	ain documents cited", these	are documents published prior therwise be considered to be o
nder the PCT, novelty is considered after the proposed after the proposition in preliminary examples.	riority date is dependent up	oon national law. Such docur	nents are excluded from
37 ' 1' 1	401: 1 170.0		
Non-written disclosures (Rules 4	Date of non-w	ritten disclosure onth/year) ref	Date of written disclosure erring to non-written disclosure
·	Date of non-w		
•	Date of non-w		erring to non-written disclosure
Kind of non-written disclosure	Date of non-w (day/mo	nth/year) Tef	erring to non-written disclosure (day/month/year)
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Kind of non-written disclosure	Date of non-w (day/mo	nth/year) ref	erring to non-written disclosure (day/month/year)